

(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-U108

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 38:

```
GGCACGAGGC AGCTCAATCG ACCGACTCCT CTCCTCCTC CTCCTCCTCC TCTTGTCTT      60
CTCATTCTAA TATAATTATC GCTTTTGGTG TGTACATCTT CTATAATTG AGAGGATGGA     120
GGCAGGATTG ATGGCGAAAC AAGCAGCAGC GGTGCGAAG CCGAACGCGT TCCCCGCCCG     180
GAGCCTAGGG TTCGGGAGCT CGGTCAGGGG CGGATCCGGG ACCAGCAGGA TCGGGTTCGA     240
GGCGCCCCGCG AGCGTGGCAT GGAGGAAGCG GTCGATTCAG GTGGCCCGCC AAGGAGCCAT     300
TCGGTCGGAG GTGTCGTGG AANANAAAGC ATCNCCGCC AAAAAGGATA AGGCCGGTCC       360
GGGTCGGCTC TACGTGGGTC TGCCCTTGA CGTGGTCTCC GACGGCAACG TCNTCAACCA     420
CGGCAAGGCC ATCGCCGCC GTCTCCGCGC CCTCCGCCCT CCTCGGCGTT GATGGANTCN     480
AACTCCCCCA TCTCTGGGG CGTTGGCGAT GGAATCGGCG GAATGGTCCT CCTACCTCCC     540
CCGTCNCCGC CATGGCGCGC GACNCCCGGC CTTCGCCTCC GCGTCTCCCT CCACCTCCAC     600
TGCCANCGCC GCCCTCGCCT CCCCCTCCCC NAATCGGTG AATCCNCCGC CGCTAACAAA     660
CCCCGAAATC CTATTNCTG AACGCNCCGG CCGCCNCCNG TTGCCCAAAN TNGCCTTNTT     720
CCTTTCNCT TTGTTNAAA AAAAATCCC CNTTGTTCCT TCCAANCGGG NAGGAACCCC     780
CNAATGAAAA CCTTNCAA                                     799
```

(2) INFORMATION FOR SEQ ID NO: 39:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 786 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-U128

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 39:

```
GGCACGAGGA AACGTCTCTC CCTCTCTCCA CTTCTCACAC CCCC GCCCCC GACTCAGCGA     60
ATCGACATTC TTGGCGTGTC AAGGAAACCT TTCTTTTATT TGCGAAGGAA CATGAGCAAT     120
ACTGTTGGAC ACACCTTACC CCAGCAAGCT CTTTACCGGC CTTCTATCAA AGAAAATCAA     180
AGTAAAGCTC ATCAAGGAGT TTCTGCAAAC TTCTTGTTG GAGTTCCATT AGGATCTAAG     240
GTGGAATAATG CAGTGTCTATA CAGCTCTAGG TCACTGCTTT CAACCGGATC CCTGGGAAAG     300
AAACTCATCA AAGGAATCCC ACCAAAGCAA AATCCAAGCA TAGTCACTAT GACCCCTCGT     360
GCTGTGTTGG CTGCANATCC TGCTTCAGAG CTAAGGAGAA AATTCAAGCT TGACACAAAT     420
```

- 43 -

TCTGAATTGG AGGTTGTTGT TCATGTCCCT ACTTCGGGGT CTCCTGTNCA GATTGAATTT 480
 CAAGTNACTA ACAGCAGTGG CTAATTGGTG CTTCNTTGGG GTGCAATTCA TAATANAAGG 540
 AATAACTGGT CACTTCCTTC TCGTCATCCT GATGGAACAA AAGTTTNCCN AAACCCGAAC 600
 TCTCANGANA CCTTTTAAAA AATCTGGTTC CCCATCNTCC GTNAAAATGG AGATTGATGA 660
 TCCTGAAATA CCAGCAGTNG AATTTCTCCT TANTTTTGNA ACAAATNCTC AAAAAAACCN 720
 AAATTGGGTT TTTAAACNA TTAATGGGTC CCNAAATTC CNTGTTCCNN TTTTTTTANA 780
 AACAAG 786

(2) INFORMATION FOR SEQ ID NO: 40:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 804 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
 (B) CLONE: U-D4

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 40:

GGCACGAGAG ATAGCTGAAG TGACGTGAGG TGAATTCGAT TAGATCGAGA GAAATTTCTT 60
 TGTGATTTT GTGGACAATT CTCAATGGCT GCTGTAACAA ANTACAATT CATCTCGAAA 120
 GGCTCATGCG CTGGCTATGG GGGTGTCGTC GACTCGGAGC CAAGGACCTT CCTAACAGA 180
 AGGGTTCTAC ACTTGAGGAA CCAAACCACC GCTTACGAAG GATTGAGATC TCGAAATGTG 240
 GTTGATTTGA TTCAGATGCC GTCTAATGCC AAGGTGATTT CAAGGAAAAC TGTGAGGGGA 300
 ACTCAGAATC CTAGTCGTAN ACCTTGGGCT GTTGTCATTT GTGGAAAAGG GATGAACATA 360
 GTCTTTGTCG GCGCTGANAT GGCTCCCTGG AGTAAAACCG GANGGACTCG GTGATGTTCT 420
 TGGAGGACTG CCACCGGCCA TGGCTGCAAA TGGACACAGA NTGATGACTA TAGCTCCACC 480
 CTATGATCAG TACAAGGATG GGTGGGATAC AAATGTCCTG GCTGAATTAA AAGTTGGAAA 540
 TGAAATGAA ANAATCCGCT TTCTTCCACT GCTATAAAAA AAGAATTGAC AGGGTTTTC 600
 TTGATCACCT TTGTTTCTTG AAAANGTGTT GGGAAAAACT GGAAGAATGA AATTTTGGTC 660
 CTNTCCCCGG AACTGATTTT NAAAAACANC CCCTAAANTT TANCCTTTN TNCCNGCCN 720
 CTTTGGGAAA CTCCNGGAT NCTGGTTTTT TNCCACCCCC NAAAANTTTC CTNGAACCTN 780
 TGGGGGAAAN TTTTTTTTTT TTTT 804

(2) INFORMATION FOR SEQ ID NO: 41:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 826 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-D10

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 41:

GGCACGAGAG ATAGCTGAAG TGACGTGAGT GGACAATTCT CAATGGCTGC TGTAACAAAG 60
TCACAATTCA TCTCGAAAGG CTCATGCGCT GGCTATGGGG GTGTCGTCGA CTCTGAGCCA 120
AGGACCTTCC TAAACAGAAG GGTCTACAC TTGAGGAACC AAACCACCGC TTACGAAGGA 180
TTGAGATCTC GAAATGTGGT TGATTTGATT CAGATGCCGT CTAATGCCAA GGTGATTTCTG 240
AGGAAAAGTG TGAGGGGAAC TCAGAATCCT AGTCGTANAC CTTGGGCTGT TGTCATTTGT 300
GGAAAAGGGA TGAACATAGT CTTTGTGCGC GCTGANATGG CTCCCTGGAG TAAAACCGGA 360
GGACTCGGTG ATGTTCTTGG AGGACTGCCA CCGGCCATGG CTGCAAATGG ACACAGAAGT 420
GATGACTATA GCTCCACGCT ATGATCAGTA CAAGGATGGG TGGGATACAA ATGTCCTGGC 480
TGANTTAAAA GTTGGAAATG AAATTGAAAG AATCCGCTTC TTCCACTGCT ATNAAANAAG 540
AATTGACAGG GTTTTCATTG ATCATCCTTT GTTTTCTTGA AAANGTGTG GGAAAAGTG 600
GANGAATGAT ATNTGGTCCT GTCCCNCGAA CGGATTATTN AAAACCACCC NCTTAANATT 660
TACCCCTTTT TGCCCANGCA NCNTTGGAA NCTCCCAAGG ATTCTGGATN TTTAACNACN 720
NCCNAATACT TTTCTGGAA CCATTTNGGG GANAANNTTG TTNTTGTG CNAATTAATT 780
GGCNCCTGG TCCTCCTNCC TGCTACTTAA AAATTTNTT TCNTNT 826

(2) INFORMATION FOR SEQ ID NO: 42:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 813 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-D13

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 42:

GGCACGAGCT GAGGGAGTGA GGGAAAGAGA TAGCTGAAGT GACGTGAGGT GACTTCGATT 60
AGATCGAGAG AAATTTCTTT GTGATTTTTG TGGACAATTC TCAATGGCTG CTGTAACAAA 120
GTCACAATTC ATCTCGAAAG GCTCATGCGC TGGCTATGGG GGTGTCGTCG ACTCGGAGCC 180
AAGGACCTTC CTAAACAGAA GGGTTCTACA CTTGAGGAAC CAAACCACCG CTTACGAAGG 240
ATTGAGATCT CGAAATGTGG TTGATTTGAT TCAGATGCCG TCTAATGCCA AGGTGATTTT 300
AAGGGAAAAC TGTGAGGGGA ACTCAGAATC CTAGTCGTAG ACCTTGGGCT GTTGTCATTT 360
GTGGAAAAGG GATGAACATA GTCTTTGTGCG GCGCTGANAT GGCTCCCTGG GAGTAAAACC 420
GGAGGACTCG GTGATGTTCT TGGAGGACTG CCACCGGGCC ATGGCTGCAA ATGGACACAG 480
AAGTGATGAC TATAGCTCCA CGCTATGATC AGTACAAGGA TGGGTGGGAT NCAATGTCC 540